

## **BAB V**

### **KESIMPULAN DAN SARAN**

#### **5.1 Kesimpulan**

Berdasarkan data hasil pembahasan penelitian yang telah dilakukan maka dapat diambil kesimpulan sebagai berikut :

1. Setelah dilakukan pemurnian parsial dengan metode pengendapan ammonium sulfat terjadi penurunan aktivitas spesifik enzim sesudah pemurnian yang dibandingkan dengan aktivitas spesifik enzim ekstrak kasar.
2. Persentasi kejenuhan ammonium sulfat mulai dari 20 % dapat menurunkan aktivitas spesifik enzim.

#### **5.2 Saran**

Berdasarkan hasil pembahasan penelitian yang dilakukan disarankan :

1. Pemekatan enzim/ pemurnian enzim secara parsial selain menggunakan ammonium sulfat dapat juga dengan menggunakan pelarut organik (aseton).
2. Dilakukan rekombinan sel terhadap isolat bakteri *Bacillus subtilis* strain SF01 agar lebih stabil dan memiliki aktivitas spesifik yang diinginkan.

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